

## Abstract

An angular velocity sensor for precisely calculating an angular velocity by taking the mass balance of the transducer into account is provided. The sensor includes a tuning fork type transducer (23) having a pair of arm portions (22) at a shaft portion (21) and formed of a piezoelectric element, and a control circuit portion (24) that drives the transducer (23) and detects the angular velocity applied to the transducer (23). The control circuit portion (24) includes a correction circuit portion (35) that generates a correction signal to remove, as a noise component, a signal component of a sense signal (29) detected erroneously as if an angular velocity occurred when no angular velocity is occurring in the transducer (23), from signal components of the sense signal (29).